

MARTYANOV, N. N.

USSR/Minerals - Sicklerite

Card 1/1 : Pub. 22 - 32/44

Authors : Martyanov, N. N., and Pinevich, N. G.

Title : About a mineral from the sicklerite group

Periodical : Dok. AN SSSR 97/6, 1057-1059, Aug 21, 1954

Abstract : The chemical composition, structural characteristics and color of a new mineral belonging to the sicklerite group, are described. Sicklerites are found mostly in pegmatites containing triphylite or lithiophilite, but their monomineral aggregations are extremely rare. Six references: 5-USSR and 1-Norwegian (1938-1952). Tables; illustrations.

Institution :

Presented by : Academician D. I. Shcherbakov, May 31, 1954

20-5-38/54

AUTHOR: Mart'yanov, B. N.

TITLE: On the Geology of the Pegmatites of the Sanghilen Upland
(South-East Tuva) (O geologii pegmatitov nagor'ya Sangilen
(Yugo - Vostochnaya Tuva))

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 5, pp. 987-990
(USSR)

ABSTRACT: The data published concerning the above pegmatites are, first of all, confined to the mentioning of veins along the Myure river. On the other hand, an extensive pegmatite field may be said to exist in the South-East of Tuva. It is situated in the area between the rivers Tes'-Khem and Kachik. Furthermore, geological details of these regions, the granites by which the complex of sediments had been metamorphized, as well as the mineralogical composition of the pegmatites were described. All pegmatites in gneiss of slate, i.e. in an originally terrigenous mass, can be divided into 3 groups: 1. biotite pegmatites of "orthotectite" and graphical structure as well as of simple mineralogical composition (microclines, quartz, sword-shaped biotite, plagioclase, and sometimes muscovite.). There are

Card 1/4

20-5-38/54

On the Geology of the Pegmatites of the San-hilen Upland (South-East Tuva

practically no subsidiary processes. The veins are plate-shaped, they have a massive or compartment-like texture, but they may also have a horizontal zone system. They form over 90% of the pegmatite field. 2. microcline pegmatites of pegmatoid structure and a very simple mineralogical composition (microcline, quartz, sometimes tourmaline and biotite). Subsidiary processes are not characteristic and manifest themselves only in the upper parts of the veins, where muscovite occurs. The veins are in biotite, more rarely in feldspathic slate. They are of lens- or rod-like shape and have a massive or slightly zonal texture. They occupy not more than 5 % of the field. 3. Muscovite pegmatites of pegmatoid structure and different mineralogical composition. They comprise all minerals characteristic of the pegmatites of this part, among them also the accessory minerals of original granites. The most frequent are muscovite (crystals of up to 5 x 10 x 20, quality good), which occur in form of nests, and tourmaline (4 x 6 x 40 crystals). These pegmatites are characterized by developed subsidiary processes which become manifest by the forming of quartz-muscovite complexes. These veins are located only in two mica-slates, they are lentil-shaped and often have zonality. They take up 3 - 5 %

Card 2/4

20-5-38/54

On the Geology of the Pegmatites of the Sanghilen Upland (South-East Tuva)

of the field. Conclusions: The pegmatite veins of the territory under investigation are connected with granites containing microcline and apparently of Devonian character. Each of the pegmatite groups sorted out is embedded in corresponding metamorphic rocks which had formed as a result of a contact metamorphism of "slated" ("rasslantsovannyye") argyllites. The pegmatite veins rarely penetrate into the carbonate mass. Therefore pegmatites of the pure line predominate in the pegmatite field, and the chances of finding pegmatites in carbonate rock are low. Muscovite pegmatites are usually localized near the carbonate mass in small anticlines and are accompanied by a zone of deformed slates as well as by a "muscovitization", more rarely by a tourmalinization of the rock concerned. Larger occurrences of muscovite cannot be expected in this district, but smaller deposits of mica of good quality are quite probable. There are 5 Slavic references.

Card 3/4

20-5-38/54

On the Geology of the Pegmatites of the Sanghilen Upland (South-East Java,

ASSOCIATION: Committee for the Study of Production Forces, AN USSR
(Sovet po izucheniyu proizvoditel'nykh sil Akademii nauk SSSR)

PRESENTED: by D.I. Shcherbakov, Academician, March 4, 1957

SUBMITTED: March 1, 1957

AVAILABLE: Library of Congress

Card 4/4

CHERNOV, N.K., inzh.; MART'YANOV, N.N., inzh.; LEVCHENKO, L.D., inzh.;
DYUBINGER, A.K.

Automatic press for briquetting metal chips. Vest.mash. 39
no.3:37-38 Mr '59. (MIRA 12:4)
(Power presses) (Briquets)

3(7)

AUTHOR: Mart'yanov, N. N.

SOV/20-125-6-46/11

TITLE: On the Origin of the Oval Shape of Granitic Pegmatites (K proiskhozhdeniyu oval'nykh form granitnykh pegmatitov)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 6, pp 1337-1340 (USSR)

ABSTRACT: It is known that the origin of the pegmatite bodies has to be explained for the determination of their geological inter-relations with their environment, but also for the right estimation of the pegmatite minability. The oval shape is explained in different ways (Refs 2,5,7,9,10). The investigation of the pegmatite bodies of the Sangilen mountains (Ref 6) and of the Yenisey chain facilitates drawing conclusions on the one or other origin of these bodies. Thorough observations and the analysis of publications (Refs 1,3,6,8,11) show that plate-shaped and oval pegmatite bodies of the same age differ under equal geological conditions considerably from one another: 1) the plate-shaped bodies have fine- and middle fine-crystalline structures, massive and sectional structures, furthermore a most simple zonality. It is expressed in distinct aplite-like seams and in the increase of the rock-forming minerals in the

Card 1/4

On the Origin of the Oval Shape of Granitic
Pegmatites

SOV/20-125-6-46/61

axis parts of the veins. The plate-shaped bodies are usually cataclastic and poor in pneumatolitic - (muscovite, tourmaline, apatite et al.) as well as in rare-metal-minerals (beryllium etc.) which are formed in the process of the subsequent solidification of the pegmatite melt. An in individual cases high muscovite content is here usually related to the processes of a later substitute along the fissures. The pneumatolitic influence of the plate-shaped pegmatites on the containing rocks is weak. Flow-folds lack in the exocontacts of the bodies. 2) Coarse-, sometimes gigantic-crystalline structures and a distinctly marked concentrical zonality are characteristic of oval bodies. The aplite seams are cataclastic, torn, or even lack at all. A weak cataclastic process nest-like enrichment with pneumatolitic and rare-metal-minerals related to processes of the internal substitution and an intensive pneumatolysis of the containing rocks are characteristic of these pegmatites. The vaulted oval bodies are often accompanied by a corona of small flow-folds or by a crimping of the containing rocks. These differences show that the oval bodies solidified from portions (parts) of the pegmatite melt which were much more enriched with

Card 2/4

On the Origin of the Oval Shape of Granitic
Pegmatites

SOV/20-125-6-46/61

mineralizers, in contrast to the plate-shaped ones. Such portions were therefore of longer duration. They had a lower viscosity and a lower crystallization temperature. Fissures filled-in with such a melt had under unbalanced tectonic conditions apparently a possibility of longer morphological development and could assume an oval shape. Fissures filled-in with portions of an equal melt poor in mineralizers did not change their original configuration. The melt with which they were filled is assumed to solidify before the wall deformation of these fissures begins. In other cases the morphological development of the fissures filled-in with melt stopped in the intermediate stages. There are 11 Soviet references.

ASSOCIATION: Institut mineralogii, geokhimii i kristallokhimii redkikh elementov Akademii nauk SSSR (Institute of Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements of the Academy of Sciences USSR)

PRESENTED: December 26, 1958, by D. I. Shcherbakov, Academician
Card 3/4

On the Origin of the Oval Shape of Granitic
Pegmatites

SOV/20-125-6-26/61

SUBMITTED: December 22, 1958

Card 4/4

ACC NR: AP6021814

(A)

SOURCE CODE: UR/0413/66/000/012/0094/0094

INVENTOR: Vasil'chenko, G. S.; Chernyavskiy, L. L.; Romanov, V. S.; Skoromnaya, L. I.; Mart'yanov, N. S.

ORG: None

TITLE: An installation for strength tests of the working wheels in high-speed turbines. Class 42, No. 182913 [announced by the Central Scientific Research Institute of Technology and Machine Building (Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 94

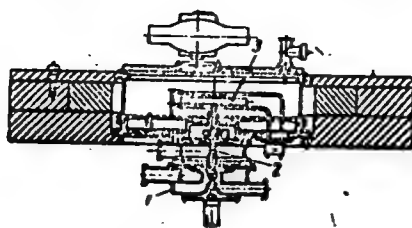
TOPIC TAGS: turbine rotor, test facility

ABSTRACT: This Author's Certificate introduces an installation for strength tests of the working wheels in high-speed turbines. The unit contains a turbine drive, vacuum chamber with cylindrical wall surrounded by an annular jacket, and a device for induction heating of the components being tested. A drive shaft passes through the cylindrical wall of the vacuum chamber for holding the part to be tested. The rotational velocity of the part being tested is increased by making the turbine drive in the form of a centripetal-flow air turbine with the component to be checked mounted on its drive shaft.

Card 1/2

UDC: 620.172.253:620.1.05

ACC NR: AP6021814



1—air turbine; 2—drive
shaft; 3—part being tested

SUB CODE: 13/ SUBM DATE: 19Jul65

Card 2/2

MART'YANOV, N.Ye.

Five-toed imprint. Priroda 49 no.9:115 S '60. (MIRA 13:10)

1. Krasnoyarskoye geologicheskoye upravleniye, Minisinsk.
(Vertebrates, Fossil)

20-6-15/42

AUTHOR:

Mart'yanov, N. Ye.

TITLE:

Regions of Extension in the Shell of the Earth (uchasti rastjazheniya v obolochke zemli).

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 116, Nr 6, pp. 949-951 (USSR)

ABSTRACT:

The most reliable data on the state of the inner parts of the earth are furnished by the elastic oscillations produced by earthquakes. There are no data available on the values of density in various depths, but very valuable data were obtained on the medium densities of the upper horizons of the earth. The density of the earth-matter grows with the increasing approximation of the center of the earth. A table contains the velocities of propagation of both the longitudinal and transversal seismic waves in dependence on the depth of their penetration into the interior of the earth. The velocity of propagation of the elastic oscillations increases with the depth. With increasing approximation to the center of the earth, the elastic properties of the earth matter are supposed to change quicker than their density. The known for an accurate interpretation of the seismic data. A clear solution of this problem is not possible since the corresponding values of density are unknown. But, knowing the velocities of the longitudinal and transversal waves, the relation $K/\mu = (v_p^2/v_s^2) - 4/3$ is easily be found. Opposing repulsive forces are facing it in the

Card 1/2

Regions of Extension in the Shell of the Earth.

20-6-15/42

case of universal compression. The values of K/μ which were computed for the earth shell by utilizing the above-mentioned table, are summarized in a further table, and illustrated in a diagram. The inner regions of the earth show a great compressibility. In the depths of 30 to 96 km, 450 to 900 km and 2700 to 2900 km, the relation K/μ declines, what seems to indicate a relative density of the matter. In the topmost of these layers there are centers of volcanism and earth-quakes occur very frequently there. The next layer is identic with the transition layer. The data on the lowest layer are still incomplete. According to the data of seismology, the shell of the earth consists of a solid compressed body in the interior of which regions with relative density are superposed over the background of general pressure. The extent of density in each-region is the greater, the greater the compression is in the adjacent region. The existence of these three regions of extension can be explained by the unequal compression of the earth which begins at the center and spreads with a certain retardation towards the periphery. There are 2 figures, 2 tables, and 2 Slavic references.

PRESENTED: May 22, 1957, by V. V. Shuleykin, Academician.
 SUBMITTED: December 12, 1956
 AVAILABLE: Library of Congress
 Card 2/2

(

SOV/11-99-8-11/17

AUTHOR: Mart'yanov, N.Ye.

TITLE: On the Article by G.D. Afanas'yev and S.G. Tseytlin
"Preliminary Results of Research on the Radioactivity
of Rocks from the Northern Caucasus and Their Signifi-
cance in Several Problems of Petrology"

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya,
1959, Nr 8, pp 118 - 119 (USSR)

ABSTRACT: The author disagrees with some of the findings of
authors of the above mentioned article, published in
Nr 3, 1958, of this periodical.

Card 1/1

S/169/63/000/002/055/127
D263/D307

AUTHOR: Mart'yanov, N. Ye.

TITLE: Energy of the Earth

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1963, 23-24, abstract 2G148 (In collection: Materialy po geol. i polezn. iskopayemym Krasnoyarskogo kraya, no. 2, Krasnoyarsk, 1961, 241-249)

TEXT: The author considers the part played by gravitational forces in the elucidation of tectonic processes. According to the author, rigidity of the Earth excludes the possibility of mass transfer within the globe. Three possible sources of terrestrial energy are rejected: gravitation, radiogenic heat and rotation.
[Abstracter's note: Complete translation.]

Card 1/1

MART'YANOV, P.B.

"The Influence of Fertilizers on the Growth of Seedlings and
Young Plants of Woody Species in Sod-podzolic Soil";

diSSERTATION for the degree of Candidate of Agricultural Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

PARTIAL "M", 3.

"The Clinicobronchological Characteristics of the Lung Process in Patients
(Experimental Studies)." Sanit. iet. Sci., Moscow, in: Sbornik, 1955, Higher
Education USSR, Moscow, 1955. (No. 2, Feb. 55)

SC: Sum. No. 631, 24 Aug. 55 - Summary of Scientific and Technical Information
Defended at USSR Higher Educational Institutions (1)

TIKHONIN, I.Ya.; FEL'DSHTEYN, M.A.; MART'YANOV, S.N.; ZEL'MANOV, I.S.;
ROMANDINA, V.P.

Injuries in cattle raised for meat. Izv.vys.ucheb.zav.; pishch.
tekh. no.5:79-83 '58. (MIRA 11:12)

1. Moskovskiy tekhnologicheskoy institut myasnoy i molochnoy
promyshlennosti, kafedra khirurgii i akusherstva.
(Cattle).

TIKHONIN, I.Ya., prof.; FEL'DSHTEYN, M.A., dotsent; MART'YANOV, S.N., dotsent;
ZEL'MANOV, I.S., veterinarnyy vrach; ROMANDINA, V.P., veterinarnyy vrach;

Losses in the meat industry from hidden injuries in cattle.
Veterinariia 36 no.9:49-51 S '59. (MIRA 12:12)

1.Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti.

(Meat industry and trade)

TIKHONIN, I., prof.; FEL'DSHTEYN, M., dotsent, MART'YANOV, S., dotsent

Losses in the weight of livestock and meat. Mias.ind.SSSR 31
no.2:37-38 '60. (MIRA 15:8)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti.
(Cattle--Transportation)

MARTYANOV, S. N. *Cons Vet Sci -*

"The character of biochemistry of the wound process in animals."

Veterinariya, Vol. 37, No. 1, 1960, p. 58

Moscow Technol Inst Meat, Fat Industry

MART'YANOV, S.N., kand.veter.nauk

Characteristics of the biochemistry of the wound process in animals.
Veterinariia 37 no.1:58-59 Ja '60. (MIRA 16:6)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti.

(Wounds)

MART'YANOV, S.N., dotsent

Specific characteristics of the reactivity of the organism of
cattle in surgical pathology. Veterinariia 37 no.11:60-64 N '60.
(MIRA 16:2)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy
promyshlennosti.

(Veterinary surgery) (Cattle—Diseases and pests)

MART'YANOV, S.N., dotsent

Determining the lameness degree in animals. Veterinariia 38
no.1:62-63 Ja '61. (MIRA 15:4)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti.
(Extremities (Anatomy)—Diseases) (Veterinary pathology)

MART'YANOV, S. N. MEDVYANSKIY, I. M. POLIKOV, G. I. TROTSKIY, I. V. ...
BEL'KOVITSEV, K. A.

"Plans for dehorning calves and cattle."

Veterinariya, Vol. 194, 1, 1961

Mart'yanov, S. N. -Assistant Professor Moscow Technological Institute of Meat and Milk Industry.

GASANOV, M.I.; FEL'DSHTEYN, M.A.; MART'YANOV, S.N.

First aid and prevention of dewclaw diseases in farm animals
on animal farms. Dokl. AN Azerb. SSR 19 no.3:71-73 '63.
(MIRA 17:8)

1. Institut veterinarii AN AzSSR. Predstavleno akademikom AN
AzSSR F.A. Melikovym.

MART'YANOV, S.N., doctor IVANOV, V.P., veterinarnyy vrach-röntgenolog

Removal of a foreign body from the bifurcation of the trachea.
Veterinariia 41 no. 7:77 S '64. MIRA 14:1

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti.

YESTYUKOV, V.; MART'YANOV, V., starshiy inzh.

Expert forensic technical fire information. Pozh.delo 7 no.11:
7-8 N '61. (MIRA 14:11)

1. Direktor Leningradskoy nauchno-issledovatel'skoy laboratorii
sudebnoy ekspertizy (for Yestyukov). 2. Leningradskaya nauchno-
issledovatel'skaya laboratoriya sudebnoy ekspertizy (for Mart'yanov).
(Evidence, Expert) (Fire prevention--Laws and regulations)

Mart'yanov, V.A.
MART'YANOV, V.A. (Novosibirsk)

~~Adopting~~ attachments for the P.K.Starostin bottling machine already
used in producing galenicals. Apt.delo 6 no.3:46-49 My-Je '57.
(PHARMACY) (BOTTLING MACHINERY) (MIRA 11:1)

8(6), 14(6)

SOV/91-59-10-5/29

AUTHORS: Leyzerovich Sh. L., and Mart yanov V.M., Engineers

TITLE: Reconstruction of Turbine Condenser

PERIODICAL: Energetik. 1959, Nr 10, pp 13-14. (USSR)

ABSTRACT. A condensation turbine of the firm Esher-Viss, 5000 kw capacity, 1500 r.p.m., 12 atm. pressure at 320° was installed at an electric power station. The turbine condenser is of a four-stroke type, condenser pipes 25.2 mm in diameter pass through the openings of 25.5 mm in diameter made in the pipe boards, and are packed at each end by two rubber rings (Fig. 1). During the last two and a half years, the turbine was not used. In 1959 it was necessary to put the turbine into operation. Inspection of the turbine condenser disclosed that the rubber gaskets had become dry and broken, while in the condenser pipes under the gaskets, openings of 2-3 mm in diameter were formed. Otherwise, the pipes between the boards remained in a good condition. Taking into consideration the absence of spare condenser pipes at the electric power station in question, it was decided to

Card 1/2

SCV/91-59-10-5/29

Reconstruction of Turbine Condenser

shorten the condenser body by 60-65 mm. to utilize the existing pipes, and to supersede the gaskets by rolling the pipes on both sides. For this purpose both water chambers were disconnected and dismantled from the condenser body. The openings in the boards were cleaned from the rubber rests by using a home-made pipe-shaped milling cutter (Fig. 2), and a reversible pneumatic drilling machine I-118 manufactured at the Sverdlovsk Plant imeni Ordzhonikidze. After cleaning of the openings the pipes were removed from the condenser. The openings were increased from 25.5 to 30.5 mm in diameter (Fig. 3). In the power house workshop, the required number of bushings was made; they were then pressed by means of special device (Fig. 4) into the openings in the pipe boards. The cutting of condenser pipe ends was performed by a disc saw; the rolling of pipes was done by mechanical rollers and the reversible drilling machine I-118. There are 6 diagrams.

Card 2/2

MART'YANOV, V.S.

New electronic compensating devices. Trudy IO NTO Priborprom. no.3:
94-108 '56. (MIRA 10:8)

(Measuring instruments)

MART'YANOV, Yu.

Developing standards of machine weight by the unit of base
parameters of their operational characteristics. Standardiza-
tsiya 28 no. 33-34 1964.

Q174 1111

MART'YANOV, Yu.A.; REVAZASHVILI, B.I.; SHTERN, M.D.

Wet grinding of iron scrap at the Karsakpai Ore Dressing Plant of
the Dzhezkazgan Mining and Metallurgical Combine. TSvet. met. 33
no.11:11-17 N '60. (MIRA 13:11)

1. Kazmekhanobr.

(Karsakpai--Ore dressing)

(Scrap metals)

MART'YANOV, Yu.A., gornyy inzh.; MIROSHNIKOV, P.V., gornyy inzh.

Use of a hydraulic cyclone with a magnetic coil in the crushing
cycle. Gor. zhur. no.9:65-66 S '62. (MIRA 15:9)

1. Institut Kazmekhanobr, Alma-Ata.
(Separators (Machines))

MART'YANOV, Yu.I.

In the Northwest Economic Council. Standartizatsia 79 no.5:
23-24 May '66. (MIRA 19:1)

MART'YANOV, YU, S.

4767. MART'YANOV, YU, S. Sanitarno-gigiyenicheskiy rezhim prodovol'stvennogo magazina m., medgiz, 1954. 184 s. 20sm. (5,000 ekz. 5r. 30k -- (54-58368)P 614:31:(658.8:664)

SO: Letopis' Zhrunal' nykh Statey, Vol. 7, 1949

MART'YANOVA, A. I.

"Effect of the Conditions of its Formation and Harvest Time of Corn
Corniculatus on the Seed in a Nonchernozem Area." Cand Agr Sci, All-Union
Sci-Res Inst of Fodders, Moscow, 1954. (Izvesti, No 8, Dec 54)

Survey of Scientific and Technical Literature Referenced at the
Library of Educational Institutions (1954)
SO: Sum. No. 556, 24 Jun 55

SHCHIBRYA, A. A. , kand.sel'skohozyaystvennykh nauk; MART'YANOVA, A. I. ;
kand.sel'skohozyaystvennykh nauk

Pollination characteristics of the bird's foot trefoil. Agrobio-
logia no.5:694-697 S-0 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov imeni
V.R. Vil'yamsa, Moskovskaya oblast'.
(Bird's foot trefoil)
(Fertilization of plants)

MART'YANOVA, Erna Yakovlevna; NAUMOVA, I., red.

[How I get high milk yields] Kak ia dobivaits' vysokikh
udoev. Arkhangel'sk, Arkhangel'skoe knizhnoe izd-vo,
1960. 15 p. (MIRA 14:12)
(Dairying)

KOZLOV.S.S.; KOZLOVA, E.V.; MART'YANOVA, G.I.

Gas content of the underground waters in northern Tajikistan.
Vest. LGU 19 no.12:11-80 '64 (MIRA 17:8)

KORYAKIN, Sergey Fedorovich; KORSKOVA, Lyudmila Vasil'yevna;
MART'YANOVA, I.Ya., red.

[Bibliography for the course in the "Economics of the
merchant marine"] Bibliograficheskii ukazatel' po kursu
"Ekonomika morskogo transporta." Moskva, Transport, 1961.
37 p. (NIRA 18:8)

KHROMYKH, Viktor Aleksandr vich; MARTYANOVA, I.Ya., red.

[Regulating the main engines of new, series-built motorships] Regulirovaniye glavnykh dvigatelei na khodovye novoi serii noi postroiki. Moskva, Transport, 1964. 106 p. (MIRA 18:1)

ALEKSEYEV, G.N.; MURUGOV, V.S.; MART'YANOVA, I.Ya., red.

[Marine underwater engines] Morskie podvodnye dvigateli.
Moskva, Transport, 1964. 122 p. (MIRA 17:12)

BURYSHKIN, Leonid Petrovich; MART'YANOVA, I.Ya., red.

[Operation and maintenance of marine internal combustion engines] Tekhnicheskaja ekspluatatsiia sudovykh dvigatelei vnutrennego sgoraniia. Moskva, Transport, 1964. 179 p. (MIRA 18:2)

SOBOLEV, Leonid Georgiyevich; ECHENENKO, V.I., kand. tekhn. nauk, dots.,
rezensent; KUL'Y KOVA, I. Ya., red.
(Automatic regulation of fuel injection in marine engine
Automaticheeskoe regulirovaniye toplivoszniganiya v sudovyykh
kotlakh. Moskva, Transport, 1981. 108 p. (PLA 18:2)

KOVALENKO, V.F., kand. tekhn. nauk; LUKIN, G.Ya., kand. tekhn.
nauk; ROGALEV, B.M., inzh.; MARTYALOVA, I.Ya., red.

[Water-softening equipment on seagoing ships] Vodo-
opresnitel'nye ustanovki morskikh sudov. Moskva,
Transport, 1964. 302 p. (MIRA 18:1)

MARTYNOVSKIY, Vladimir Sergeyevich; MEL'ISEK, Leonid Zinov'yevich;
Prinimali uchastiye: ZHDAN, V.Z., kand. tekh. nauk;
DUDNIK, D.M., inzh.; LEVIT, M.M., inzh.; MART'YANOVA,
I.Ya., red.

[Refrigerating plants on ships] Sudovye kholodil'nye usta-
novki. Moskva, Transport, 1964. 382 p. (MIRA 17:11)

MARTYANOVA, K. A.

Med
 5788. Pattern of typhoid bacteriophage isolation after phage administration. B. G. Khaikina, K. A. Martynova, and M. N. Ivashchenko. *Trud. Chelov. med. Inst.*, 1955, 8, 80-88. *Referat. Zh. Biol.*, 1956, Abstract No. 80116. In healthy people treated with phage, typhoid bacteriophage is observed in the excrement independent of the dose administered—5 to 7 days after dosage. Vi-phage was isolated more regularly than O-phage. O- and Vi-phages were also observed in the organism of healthy people not dosed with phage. O-phage was isolated more frequently, in addition its quantity varied in different months and sharply increased in the summer-autumn period. Vi-phage were isolated more rarely; seasonal variations in the isolation of this phage were inconsiderable. (Russian) C. PRINGLE

137-1957-12-25287

137-1957-12-25287

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 333 (USSR)

AUTHORS: Skotnikov, V. Ya., Mart'yanova, K. D.

TITLE: Domestic Non-retentive Alloys for Pulse Technique and High-frequency Telephony (Otechestvennyye magnitomyagkiye splavy dlya impul'snoy tekhniki i vysokochastotnoy telefonii)

PERIODICAL: Sb. tr. Tsentr. n.-i. in-t. chernoy metallurgii, 1956, Nr 15, pp 397-424

ABSTRACT: A 50-40 percent Fe-Ni alloy was utilized as the base in the development of a number of alloys possessing high electrical resistance, high pulse permeability, and small magnetic retentivity. These alloys were manufactured in the form of a strip up to 0.02 mm thick. Characteristics of the alloys are given, as well as the technology of their manufacture, heat treatment of specimens and of products, and methods for electrical insulation between windings.

P. N.

1. Iron-nickel alloys-Development
2. Iron-nickel alloys-Applications
3. Iron-nickel alloys-Properties

Card 1/1

S/194/61/000.012 010 027
3256/D303

AUTHORS: Skotnikov, V. Ya. and Mart'yanova, K. D.

TITLE: Alloys for magnetic amplifier cores

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1961, 15, abstract 12V121 (Sb. tr. Tsentr. n. i. in-t chernoy metallurgii, 1960, no. 23m 55-65)

TEXT: A description is given of the industrial specifications of the existing magnetically soft alloys for use in magnetic amplifiers, following the work performed by the Institute of Precision Alloys. The data and the magnetization characteristics are given for the following rectangular hysteresis curve materials: 50 НΠ (50 NP), 47 НМ (47 NM), 65 НΠ (65 NP), 35 НкМΠ (35 NKMP) and permalloys: 79 НМА (79 NMA), 80 НХС (80 NKHS), 79 НМ (79 NM) and 76 НХД (76 NKHD). The thermal stability of various alloys is considered, and recommendations are given for use of the alloys in various types of magnetic amplifiers. There are 7 figures and 3 references. [Abstractor's note: Complete translation.]

Card 1/1

MART'YANOVA, K. L.

"Physiology and Productivity of Wheat with Directionally Changed Drought Resistance."
Cand Biol Sci, Moscow Oblast Pedagogical Inst, 18 Feb 54. Dissertation (Vechernyaya Moskva
Moscow, 8 Feb 54)

SO: SUM 186 19 Aug 1954

MART'YANOVA, K.L.

Results of farm experiments with the method of hardening
seed barley against droughts. Fiziol.rast. 7 no.3:363-365
'60. (MIRA 13:6)

1. Michurinskiy gosudarstvennyy pedagogicheskiy institut,
Michurinsk.

(Barley—Field experiments)
(Plants, Effect of aridity on)

MART'YANOVA, K.L.; GUBANOVA, Z.P.; ZHURIKHIN, V.K.

Experimental hardening of tomatoes before seeding against droughts
under farm conditions. Fiziol.rast. 8 no.5:638-640 '61.
(MIRA 14:10)

1. Mishurinsk State Pedagogical Institute.
(Central Black Earth Region—Tomatoes)
(Plants, Effect of aridity on)

GENKEL', P.A.; MART'YANOVA, K.L.; ZUBOVA, L.S.

Experiments on the presowing drought hardening of plants
conducted under firm conditions. Fiziol. rast. 11 no. 3:
538-543 '64. (MIRA 17:7)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR,
Moskva i Michurinskiy gosudarstvennyy pedagogicheskiy institut.

MART'YANOVA, L.I.
RODIN, I.M.; MART'YANOVA, L.I.

Commercial preparation of therapeutic hyperimmune horse serum for tick-borne and Japanese encephalitis. Report no.1: Dynamics of the increase of virus-neutralizing antibodies in the serum of horses hyperimmunized by viruses of tick-borne and Japanese encephalitis. Vop.virus. 1 no.3:17-22 My-Je '56. (MLRA 10:1)

1. Institut virusologii imeni D.I.Ivanovskogo AN SSSR, Moskva

(IMMUNE SERUMS,

anti-encephalitis hyperimmune horse serum, dynamics of virus-neutralizing antibodies in serum of horses immunized with tick-borne & Japanese encephalitis viruses (Rus))

(ENCEPHALITIS, JAPANESE B., immunology.

anti-encephalitis hyperimmune horse serum, dynamics of virus-neutralizing antibodies (Rus))

(ENCEPHALITIS, EPIDEMIC, immunology.

same)

RODIN, I.M.; PONOMAREVA, N.A.; MART'YANOVA, L.I.; DIRASOZA, M.N.

Commercial production of therapeutic hyperimmune horse serum
against tick-borne and Japanese encephalitis. Report No.2: Obtaining
gammaglobulin from normal therapeutic antiencephalitic horse serum;
author's abstract. Zhur.mikrobiol.epid. i immun. 27 no.7:58-59 Jy '56
(MLRA 9:9)

L. Iz Instituta virusologii imeni Ivanovskogo AMN SSSR i Moskovskogo
instituta vaktsin i syvorotok imeni Mechnikova.
(GAMMA GLOBULIN) (SERUM)

BONDAREVA, I.I., dots., prepodavatel'; GAMAYUNOV, M.V., dots., kand. nauk, prepodavatel'; GOL'DMAN, R.Ya., kand. nauk, prepodavatel'; ZHNIUDKOV, A.P., kand. nauk, prepodavatel'; KALININA, V.N., kand. nauk, prepodavatel'; LIPAR', G.G., prepodavatel'; MART'YANOVA, L.P., kand. nauk, prepodavatel'; NEZNANOV, S.V., dots., kand. nauk, prepodavatel'; SALAY, I.G., dots., kand. nauk, prepodavatel'; SASKOVETS, Ye.L., dots., kand. nauk, prepodavatel'; ZENIN, V., red.; DANILINA, A., tekhn. red.

[The party is the organizer of the collective farm system] Partiya - organizator kolkhoznogo stroia. Moskva, Gos. izd-vo polit. lit-ry, 1958. 190 p. (MIRA 11:8)

1. Kafedra marksizma-leninizma Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva (for all except Zenin, Danilina).

(Collective farms)

GLADUN, I.N., inzh.; HYDEROVSKIY, S.I., inzh.; MART'YANOVA, M.I.

Record-breaking shaft sinking at a rate of 305.3 m. per month in
South Africa. Shakht. stroi. 4 no.4:28-30 Ap '60. (MIRA 13:11)
(South Africa, Union of--Shaft sinking)

KOVAL', N.M., nauchnyy sotr., kand. sel'khoz. nauk; GERMAN, Ya.B., starshiy nauchnyy sotr.; BIRYUKOV, Yu.V., starshiy nauchnyy sotr.; MART'YANOVA, O.A., starshiy nauchnyy sotr.; SHASHKOV, I.G., nauchnyy rabotnik; KORSHAK, I.T.; BROZHEYT, M.F.; KUKHARCHUK, G.N.; YEFREYOV, N.V., red.; CHEREVATSKIY, S.A., tekhn. red.

[Technological charts for grape cultivation] Tekhnologicheskie karty po vozdeleyvaniyu vinograda. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR, 1961. 141 p. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya im. Tairova (for Koval', German, Biryukov, Mart'yanova). 2. Zakarpatskaya opytnaya stantsiya (for Shashkov). 3. Ministerstvo sel'skogo khozyaystva USSR (for Korshak, Brozhey, Kucharchuk).
(Ukraine--Viticulture)

KOVAL', Nikolay Mefodiyevich; KOMAROVA, Yelena Stepanovna;
MART'YANOVA, Ol'ga Arkadiyevna; TSESHKOVSKIY, F.N.,
red.; KALASHNIKOVA, O.G., tekhn. red.

[Reference book for the viticulturist] Nastol'naya kniga
vinogradaria. Kiev, Gossel'khozizdat USSR, 1963. 292 p.
(MIRA 16:7)

1. Nauchnyye sotrudniki Ukrainskogo nauchno-issledovatel'-
skogo instituta vinogradarstva i vinodeliya im. V.Ye.Tairova
(for Koval', Komarova, Mart'yanova).
(Ukraine--Viticulture)

16.3400

32520
S/044/61/000/011/C44/C44
C111/C444

AUTHOR: Mart'yanova, R. A.

TITLE: Some problems on an infinite interval

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1961, 11
abstract 11V225. (Uch. zap. Permsk. un-t, 1961, 11, 11-12, 75-94)

TEXT: The method of oscillating functions developed in the papers of S. J. Mel'nik (Rzh Mat, 1954, 5256; 1957, 5942, 5943) for the purpose of the approximative solution of boundary value problems on the interval $[a, \infty]$, $a \gg 0$. Considered is the equation

$$L[y] \equiv y^{(n)} + p(x)y = f(x) \quad (1)$$

with the conditions

$$R_k[y] \equiv \alpha_{1,k}y(a) + \alpha_{2,k}y'(a) + \dots + \alpha_{n,k}y^{(n-1)}(a) = 0 \quad (2)$$

$$\lim_{k \rightarrow \infty} \sum_{i=1}^n (-1)^{i-1} y^{(i-1)} \chi^{(i-1)}(x) = 0 \quad (3)$$

Card 1/2

32520

S/044/61/000/011/043/043

C111/C444

Some problems on an infinite . . .

where α_{ik} ($i=1,2,\dots,n$; $k=1,2,\dots,n-1$) are real numbers, the matrix $\|\alpha_{ik}\|$ has the rank $n-1$, the functions $p(x)$ and $f(x)$ are measurable and integrable on every finite interval $[a,b]$. $X(x)$ is the solution of the equation $y^{(n)} + p(x)y = 0$, which does not satisfy the conditions (2). Such a problem with $n=2$, $f(x) \equiv 0$ and

$p_1(x) = p(x) + \lambda$ was considered by M. G. Kreyn (Dokl. AN SSSR, 1967, no. 6).

One considers (under certain restrictions with respect to $p(x)$ and $f(x)$) the reduction of the boundary value problem to a Cauchy problem as well as the question about the stability of the solution of the boundary value problem under changing the coefficients of the equation by the oscillating functions. An estimate of the errors of the approximative solution of the boundary value problem is given. One refers to a number of methods for the solution of linear differential equations which were considered by I. A. L. (RZh Mat. 1956, 8783); especially, one recommends to replace the linear equation on sub-intervals by a linear one and to use the method of the oscillating functions.

[Abstractor's note: complete formulation]

Card 1

MART'YANOVA, R.A.

Oscillating functions and their application to some problems
in an infinite interval. Izv. vys. ucheb. zav.; mat. no.2:112-128
'60. (MIRA13:7)

1. Permskiy gosudarstvennyy universitet im. A.M. Gor'kogo.
(Functional analysis)

26070
S/044/62/000/003/019/092
C111/0222

163400

AUTHOR:

Mart'janova, B. A.

TITLE:

asymptotic theorems

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 3, 1962, 40,
abstract 3B176. ("Uch. zap. Permsk. un-t", 1960, 17, no. 3,
119-124)

TEXT:

Some theorems on the Cauchy problem and the boundary value
problem for the equation

$$(p(x)y')' + g(x)y = f(x) \quad (1)$$

are formulated and proven, where $p(x)$, $g(x)$ and $f(x)$ are continuously
differentiable functions on $a \leq x < \infty$, $a \geq 0$.

1. Cauchy problem: The approximate solution of (1) with the initial
conditions

$$y(a) = A, y'(a) = B$$

is constructed according to the method of oscillating functions (Zh.
Mat., 1961, 11B22b); $u(x)$ denotes the error of this approximate solution.

Card 1/5

5/044/62/00003/019/0.2
C111/C222

asymptotic theorems

We give the first of two analogous theorems, which are proven in the paper. Let $q(x)$ be a positive function on $a \leq x < \infty$.

If $\int_a^x |p^{-1}(t)| dt = o(q(x))$ for $x \rightarrow \infty$, and if $g(x) \in L[a, \infty)$, $q(x) \in L[a, \infty)$ then the estimates

$$|u(x)| < q(x) M \exp \left(M \int_a^x q(t) |g(t)| dt \right) \max |y_N(x)| h, \quad (2)$$

$$|p(x) u'(x)| <$$

$$< \left[M \int_a^x q(t) |g(t)| dt \cdot \exp \left(M \int_a^x q(t) |g(t)| dt \right) + 1 \right] \times$$

$$\times \max |y_N(x)| h, \quad (3)$$

hold. Here h is the maximal sub-interval of $[a, \infty)$, $y_N(x)$ is the discrepancy of the approximate solution of the equation (1) and M is a

Curc 2/5

S/044/62/000/003/019/092
C111/C222

Asymptotic theorems

constant which is determined from the condition

$$\int_a^x |p^{-1}(t)| dt / q(x) \leq M.$$

If, in addition, the condition

$$\begin{aligned} \max_x \left[\left| \frac{p''(x) + g(x)}{p(x)} \right| + 2 \frac{p'(x)}{p^2(x)} \left(|B|p(a) + \int_a^x |f(t)| dt + \right. \right. \\ \left. \left. + M \int_a^x q(t) |g(t)| dt \cdot G(x) \right) + G(x) \left(|g'(x)q(x) + \frac{2|p'(x)g(x)|}{p(x)} \right) + \right. \\ \left. + 2 \left| \frac{p'(x)f(x)}{p(x)} \right| + |f'(x)| \right] < \infty, \end{aligned}$$

is fulfilled, where

$$G(x) = \exp \left(M \int_a^x q(t) |g(t)| dt \right) \left(|p(a)| |B| + q^{-1}(x) \left| A - \int_a^x |f(t)| dt \right) \right) \text{ and}$$

$f(x) \in L[a, \infty)$ then the estimates (2) and (3) do not depend on x and are apriori estimates of order $O(h^2)$, where $\varphi_N(x) \rightarrow 0$ for $h \rightarrow 0$.

Card 3/5

S/044/62/000/003/015/032
C111/C222

Asymptotic theorems

2. Boundary value problem: The approximate solution of (1) with the boundary conditions

$$y(a)\alpha_1 + y'(a)p(a)\alpha_2 = 0$$

$$y(b)\beta_1 + y'(b)p(b)\beta_2 = 0$$

(where $0 < a < b < \infty$, $\alpha_1, \alpha_2, \beta_1, \beta_2$ -- real numbers, $p(b)\alpha_1\beta_2 - \alpha_2\beta_1 p(a) \neq 0$, $\alpha_2 p(a) \neq 0$ is written in the form

$$y_N(x) = \frac{\alpha_1 Y_N(b) + \alpha_2 Y'_N(b) p(b)}{\alpha_1 y_{1N}(b) + \alpha_2 y'_{1N}(b) p(b)} y_{1N}(x) + Y_N(x), \quad (1)$$

where $y_{1N}(x)$ denotes the approximate solution of (1) with the initial conditions $y_1(a) = 1$, $y'_1(a) = -(\alpha_1/\alpha_2 p(a))$ which is constructed using the method of oscillating functions. $Y_N(x)$ is an analogous approximate solution of (1) corresponding to the case of vanishing initial conditions.

Card 4/5

S/044/62/000/003/019/092
C111/C222

Asymptotic theorems

tions. For the error $v(x)$ of the solution of (4), the author gives the inequality

$$\begin{aligned} \max_x |v(x)| &< \max_x |Y - Y_N| + \max_x |y_1 - y_{1N}| + \\ &+ \max_x \frac{(|\beta_1| |Y - Y_N| + |\beta_2| |p(Y - Y_N)| K_2)}{K_2 - K_1 \max_x (|\beta_1| |y_1 - y_{1N}| + |\beta_2| |p(y_1 - y_{1N})|)} |y_1| + \\ &+ \max_x \frac{(|\beta_1| |y_1 - y_{1N}| + |\beta_2| |p(y_1 - y_{1N})| K_1)}{K_2 - K_1 \max_x (|\beta_1| |y_1 - y_{1N}| + |\beta_2| |p(y_1 - y_{1N})|)} |y_1|. \end{aligned}$$

where $y_1(x)$ and $Y(x)$ are the rigorous solutions of the corresponding Cauchy problems, and

$$K_1 = |\beta_1 Y_N(b) + \beta_2 p(b) Y_N'(b)|, \quad K_2 = |\beta_1 y_{1N}(b) + \beta_2 p(b) y_{1N}'(b)|.$$

The author mentions that the inequality makes it possible to obtain various estimates for $v(x)$ if one uses the theorems mentioned above. The bibliography contains 8 entries.

[Abstracter's note: Complete translation.]
Card 5/5

MART'YANOVA, T. A.

COUNTRY : USSR
 CATEGORY : Pharmacology and Toxicology. Gargilotic Blocking
 ABST. JOUR. : Agents
 : Gargil. Na. 5 1979, No. 1922
 AUTHOR : Erina, Ye. ...; Mart'yanova, T. A.
 INST. :
 TITLE : Use of Gargilotic Blocking Preparations in the
 : Treatment of Hypertension
 ORIG. PUB. : 1 st. : Gargilolitiki i lekarny nervomyshechn.
 : Ginepsov. ... 1979, 7'-80
 ABSTRACT : to abstract

Card 1/1

MART'YANOVA, T. A.

Nature of so-called malignant hypertension. Gip.bol. no.5:70-
 82 '58. (MIRA 13:5)
 (HYPERTENSION)

Country : USSR

V

Category: Pharmacology. Toxicology. Adrenergic Agents.

Abs Jour: RZhBiol , No 6, 1959, No 27755

Author : Mart'yanova, M.M.

Inst : Institute of Therapy, Academy of Medical Science
USSR

Title : Application of Redergam in Treatment of Hypertension.

Orig Pub: Tr. In-ta terapii Akad. med. nauk SSSR, 1958, vyp. 5,
154-167

Abstract: Application of redergam (I) in treatment of hypertension leads to a decrease of arterial pressure by 10-60 mm of mercury column and to improvement of general condition in more than one half of patients. Hypotensive effect of I is short-lived. I induces

Card : 1/2

MART'YANOVA, T.A., kand.med.nauk

Life and scientific activity of Richard Bright (1789-1858).
Klin.med. 37 no.7:138-142 J1 '59. (MIRA 12:10)

1. Iz Instituta terapii AMN SSSR (dir. - deystvitel'nyy chlen
AMN SSSR prof.A.I.Myasnikov).
(BIOGRAPHIES)

MART'YANOVA, T.A.

Treatment of hypertension with dicoline Khim. i med. no.15:97-102
'60. (MIRA 15:1)

1. Iz Institute terapii AMN SSSR (dir. - deystvitel'nyy chlen AMN
SSSR prof. A.L.Myasnikov).
(HYPERTENSION) (DICOLINE_THERAPEUTIC USE)

MART'YANOVA, T.A., kand.meditsinskikh nauk

Treatment of hypertension with veratrum preparations. Sov. med. 24
no.6:81-85 Je '60. (MIRA 13:9)

1. Iz Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR prof.
A.L. Myasnikov) AMN SSSR.
(VERATRUM) (HYPERTENSION)

MARTIN, T. I.

"Concerning the 'Parliamentary' ...
to the USSR, 12 Dec 54. (M, 12 Dec 54)

Survey of scientific ...
higher ... (1,
So: Sum. to. 10, 11 Jan 55

1 17/6
AUTHORS:

Shojan, A.I., and Mart'yanov, I.I.
Dispersion equation of a cylinder with perturbed cross-section

TITLE:

ABSTRACT: A specially constructed dispersion equation is obtained which can be represented as $\epsilon + \epsilon_0$ where ϵ is a function with its first derivatives of the cylinder describing the deviation of the transverse cross-section from the circle of radius a and ϵ_0 is a function of the cylinder radius. Approximate solutions for the perturbed conducting cylinder are obtained. A possible electric field distribution in the cylinder, for a fixed value of the constant of the retarded perturbed wave, is obtained. The form of the elementary electric and magnetic-type waves in the form of the dispersion equation is also obtained.

Card 1/2

APPROVED FOR

Dispersion equation of a spirally ...

SVN 0402, 1981
11/3/1981

is limited to the perturbed fundamental ...
of the spirally-conducting cylinder for the case of ...
perturbances. There are 2 Soviet-also references.

SUBMITTED: September 3, 1981

Card 2, 3

S/682/62/000/004/002/006
D234/D308

AUTHOR: Mart'yanova, T.S.

TITLE: Modelling of random disturbances of a turbulent atmosphere

SOURCE: Avtomaticheskoye regulirovaniye aviadvigateley;
Sbornik statey, no. 4, Moscow, 1962, 19-32

NOTE: The author considers the method of calculating the time characteristic of random atmospheric disturbances when the statistical characteristics are known. Results of other authors are stated. Existing methods of modelling atmospheric disturbances are reviewed; the use of noise generators is found to be unsatisfactory. An electronic modelling installation is described and an example of its use is given. There are 4 figures. The English-language reference is: Press H., Meadows M.T., Hadlock J. Re-evaluation of Data on Atmospheric Turbulence and Airplane Gust Loads for Application in Spectral Calculations Rep. NACA 1272, 1956.

Card 1/1

-2/006

S/682/62/000/004/005/00
D234/D308

26.2/96
AUTHORS:

Getsov, L.N. and Mart'yanova, T.S.

TITLE:

Investigating the dynamics of control of a turbo-propeller engine with a restrainer of negative traction

SOURCE:

Avtomaticheskoye regulirovaniye aviadvigatelya; Sbornik statey, no. 4, Moscow, 1962, 103-118

TEXT:

The authors give the results of a theoretical investigation. Conditions under which the restrainer operates are stated. Equations for the engine as an object of control, for the astatic regulator of the number of revolutions and for the restrainer are given. It is stated that the case $n = \text{const}$, where the restrainer acts together with the regulator of n , is the most interesting. The stability of the control system is analyzed. For transition regimes, the system was investigated on a modelling installation; results are given. It is concluded that for securing stable control of traction with admissible transition processes, the hysteresis is

Card 1/2

ED FOR P

Investigating the dynamics ...

S/682/62/000/004/005/006
D234/D308

the traction meter should not exceed $\pm 0.5\%$ and the time constant of the servomotor must be $< 0.2 \div 0.3$ sec. There are 15 figures and 1 table.

✓B

Card 2/2

L 40025-06 EWT(d)/EWT(1)/T-2/EWP(1) IJP(c) WW/BC/GD
ACC NR: AT6017619 (N) SOURCE CODE: UR/0000/65/000/000/0296/0308

AUTHOR: Belkin, Yu. S.; Bodner, V. A.; Getsov, L. N.; Mart'yanova, T. S.; Ryazanov, Yu. A.

ORG: none

TITLE: Adaptive systems for the optimization work regimes and transient processes in a turbojet engine

SOURCE: Vsesoyuznaya konferentsiya po teorii i praktike samonastroyayushchikhsya sistem. 1st, 1963. Samonastroyayushchiyesya sistemy (Adaptive control systems); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 296-308

TOPIC TAGS: optimal automatic control, turbojet engine, thrust optimization, SELF ADAPTIVE CONTROL

ABSTRACT: Synthesis and analysis of an adaptive system to optimize and control various parameters of a turbojet engine is presented. The equations of the system are written out in detail and numerical data are tabulated. The analysis was performed using analog simulation and the graphical results are presented. The control parameters considered were the rpm of the turbo-compressor, the inlet and afterburner temperatures and the turbine pressure gradient. The control inputs considered were the main fuel consumption, the afterburner fuel consumption, and the nozzle cross section. Orig. art. has: 16 formulas, 7 figures, 1 table.

SUB CODE: 12,13,21/ SUBM DATE: 22Nov65

Card 1/1

ОТЧЕТ
О РАБОТЕ
АВТОРА
ФИЗ. НАУК
БИОЛОГИЯ. NO. 4, 1959. No. 15659

AUTHOR: Mart'yanova, Ye.
MOSCOW Agric. Academy
EFFECT: Effect of Organic and Mineral Fertilizers on
TITLE: Growth, Development and Crop Yield of Ensilage
Crops (American artichoke and sunflower).

ОФИЦ. ПУБ.: Sb.: nauchno-issled. rabot. Mosk. s.-kh.
akad. im. K.A. Timiryazeva, 1958, vyp. 8, 96-102

ABSTRACT: In an experiment at the "Parizhskaya kumruna"
collective farm, Moscow Oblast, the placement
of 35 tons/hectare of manure under retilled
plough land raised the crop of sunflower green
mass from 265.7 to 334.7 centners/hectare,
of American artichoke from 189 to 285.6
centners/hectare and tubers from 48 to 62
centners/hectare. The addition of 1
centners potassium nitrate, 1 centner K_2O and
2 centners P_2O_5 to the manure raised the green

ОБЪЕМ: 1/2

MART'YANOVA, Ye.P.

Conditioned regulatory reflexes of the skeletal muscles in experimental cerebral injury. Trudy Vses.ob-va fiziol.biokhim.i farm. 2: 35-43 '54. (MLRA 8:7)

1. Kafedra fiziologii.

(BRAIN, wounds and injuries,
exper., conditioned musc. reflexes in)
(REFLEX, CONDITIONED,
musc., in exper. brain inj.)
(WOUNDS AND INJURIES, experimental,
conditioned musc. reflexes in)

VASILEVSKIY, V.M.; MART'YANOVA, Ye.P.

State of the cortical end of the motor analyzer during the formation of temporary bonds. Zhur.vys.nerv.deiat. 4 no.6:889-902 N-D '54. (MLRA 8:7)

1. Kafedra normal'noy fiziologii Chelyabinskogo meditsinskogo instituta.

(REFLEX, CONDITIONED,

cortical end of motor analyzer during form. of temporary bonds)

(CEREBRAL CORTEX, physiology,

cortical end of motor analyzer during form. of temporary bonds)

MARTYANOVA, V. V.

BOOK 3 BOOK EXPLANATION 809/5153

Gerasimov, I. V., and M. S. Kozlovskiy, Resp. eds.

State Scientific Center of the Academy of Sciences of the USSR (Synthesis of Monomers for the Production of Synthetic Rubber) Leningrad, Gostekhnizdat, 1960. 200 p. Errata ally inserted. 9,500 copies printed.

Spetsialnyy Agitirovannyi Komitet Gosizdatov Ministerstva Vnutrennykh Del i Vneshnykh Svyazey. Otpredelennyye i VVozrast.

Re: A. A. Zinov'ev and Ye. I. Zinov'ev; Re: V. A. Pavlov.

REMARKS: This book is intended for scientists, engineers, and technicians working in the synthetic rubber, plastic, and petroleum refining industries, and in scientific research institutes affiliated with these industries.

CONTENTS: The book contains articles which report on research carried out at the Institute of Synthetic Rubber of the Academy of Sciences of the USSR (Academy of Sciences of the USSR) and the Scientific Research Institute for Synthetic Rubber (Scientific Research Institute for Synthetic Rubber) Leningrad, Gostekhnizdat, 1960. The book contains articles which report on research carried out at the Institute of Synthetic Rubber of the Academy of Sciences of the USSR (Academy of Sciences of the USSR) and the Scientific Research Institute for Synthetic Rubber (Scientific Research Institute for Synthetic Rubber) Leningrad, Gostekhnizdat, 1960.

REMARKS: The book contains articles which report on research carried out at the Institute of Synthetic Rubber of the Academy of Sciences of the USSR (Academy of Sciences of the USSR) and the Scientific Research Institute for Synthetic Rubber (Scientific Research Institute for Synthetic Rubber) Leningrad, Gostekhnizdat, 1960. The book contains articles which report on research carried out at the Institute of Synthetic Rubber of the Academy of Sciences of the USSR (Academy of Sciences of the USSR) and the Scientific Research Institute for Synthetic Rubber (Scientific Research Institute for Synthetic Rubber) Leningrad, Gostekhnizdat, 1960.

TABLE OF CONTENTS:

Synthesis of Monomers (Cont.)

809/5153

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Separation of Monoacetylenes by Chromatography With Water-Pyridine Solutions of Salts of Diammonium Copper. Report II. Separation of Methyl With Cuprous Sulfate Solution 98

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Separation of Monoacetylenes by Chromatography With Water-Pyridine Solutions of Salts of Diammonium Copper. Report III. Separation of Isoprene With Cuprous Sulfate Solution 103

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Separation of Monoacetylenes by Chromatography With Water-Pyridine Solutions of Salts of Diammonium Copper. Report IV. Separation of Isoprene With Cuprous Sulfate Solution and the Purification of Hydrocarbons From Pyridine 113

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Explanation of the Role of Methanol in the Contact Process of Producing Methyl From Alcohol With the Use of Methanol Tagged With Radioactive Carbon-14 120

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Development of a Method of Separating Acetylene From an Alcohol-Regulator 131

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Separation of Hydrocarbons and Other Impurities From a Condensate by the Extraction Method 140

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Separation of Monoacetylenes by Chromatography With Water-Pyridine Solutions of Salts of Diammonium Copper. Report V. Separation of Isoprene With Cuprous Sulfate Solution by the Dehydrogenation of Isopropyl Benzene in an Adiabatic Reactor 164

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Catalytic Dehydrogenation of Ethyl Benzene Into Styrene. Report I. 167

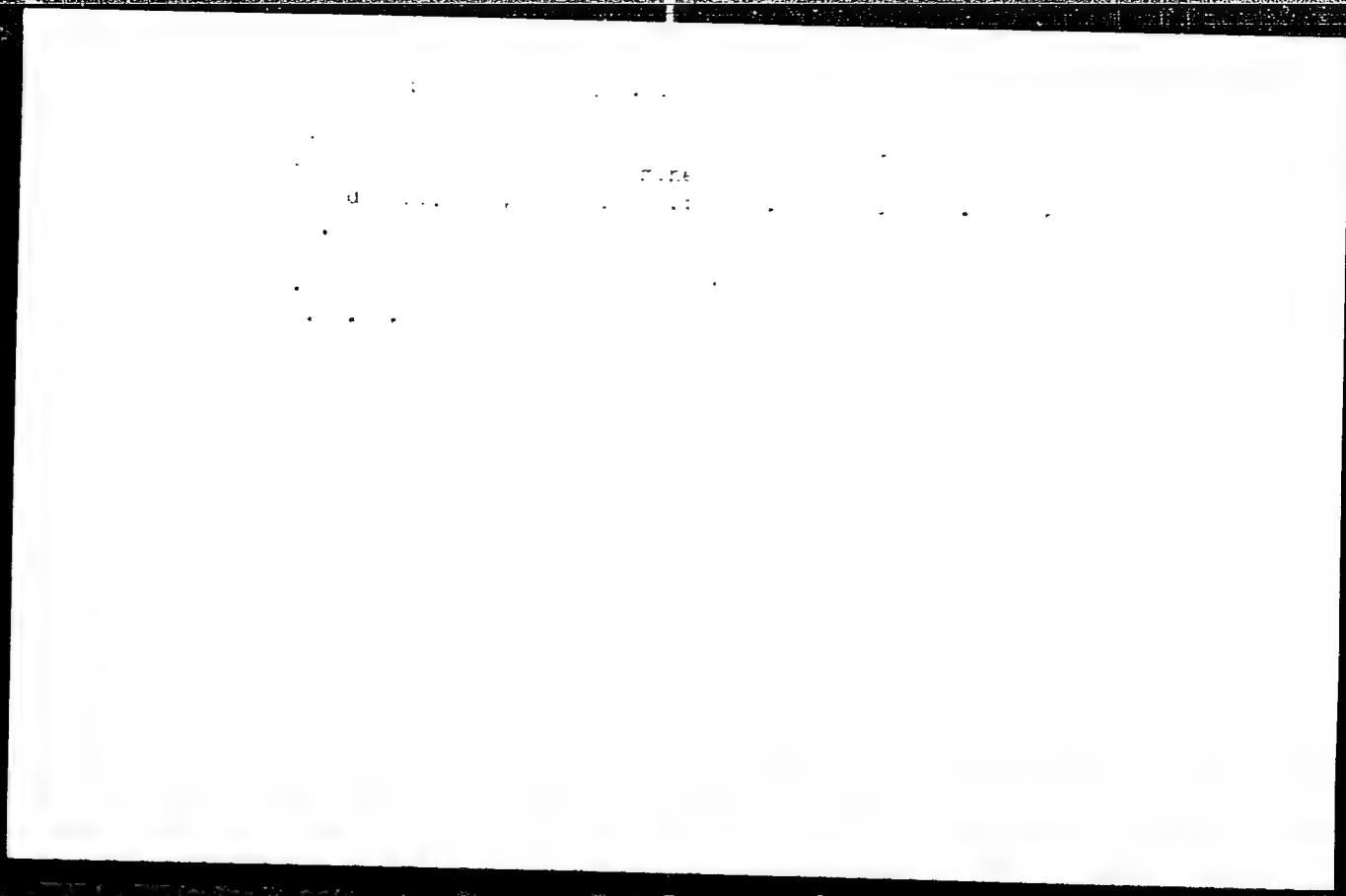
Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Catalytic Dehydrogenation of Ethyl Benzene Into Styrene. Report II. 167

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Separation of Monoacetylenes by Chromatography With Water-Pyridine Solutions of Salts of Diammonium Copper. Report VI. Separation of Isoprene With Cuprous Sulfate Solution by the Dehydrogenation of Isopropyl Benzene in an Adiabatic Reactor 177

Kochetkov, L. A., V. A. Vinogradov, and L. A. Zinov'eva. Separation of Monoacetylenes by Chromatography With Water-Pyridine Solutions of Salts of Diammonium Copper. Report VII. Separation of Isoprene With Cuprous Sulfate Solution by the Dehydrogenation of Isopropyl Benzene in an Adiabatic Reactor 187

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Chargé d'affaires, 100-141180, 100-141180, 100-141180
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